

FIG. 1 A

1B

FRI-1 TNFR profile	69 YLHYDPETGRQLLCDKCAPGTYLKQHC . TVRRRKTLCV . PCPDY . SYTDSW 1 . . . : 1 . : 1 : . . 6 YHYYDQNGRMCEECHMCQPGHFLVKHCKQPKRDTVCHKPCEPGVTYTDDW	Z Score = 8.2
FRI-1 TNFR profile	116 H 56 H	

FIG. IC

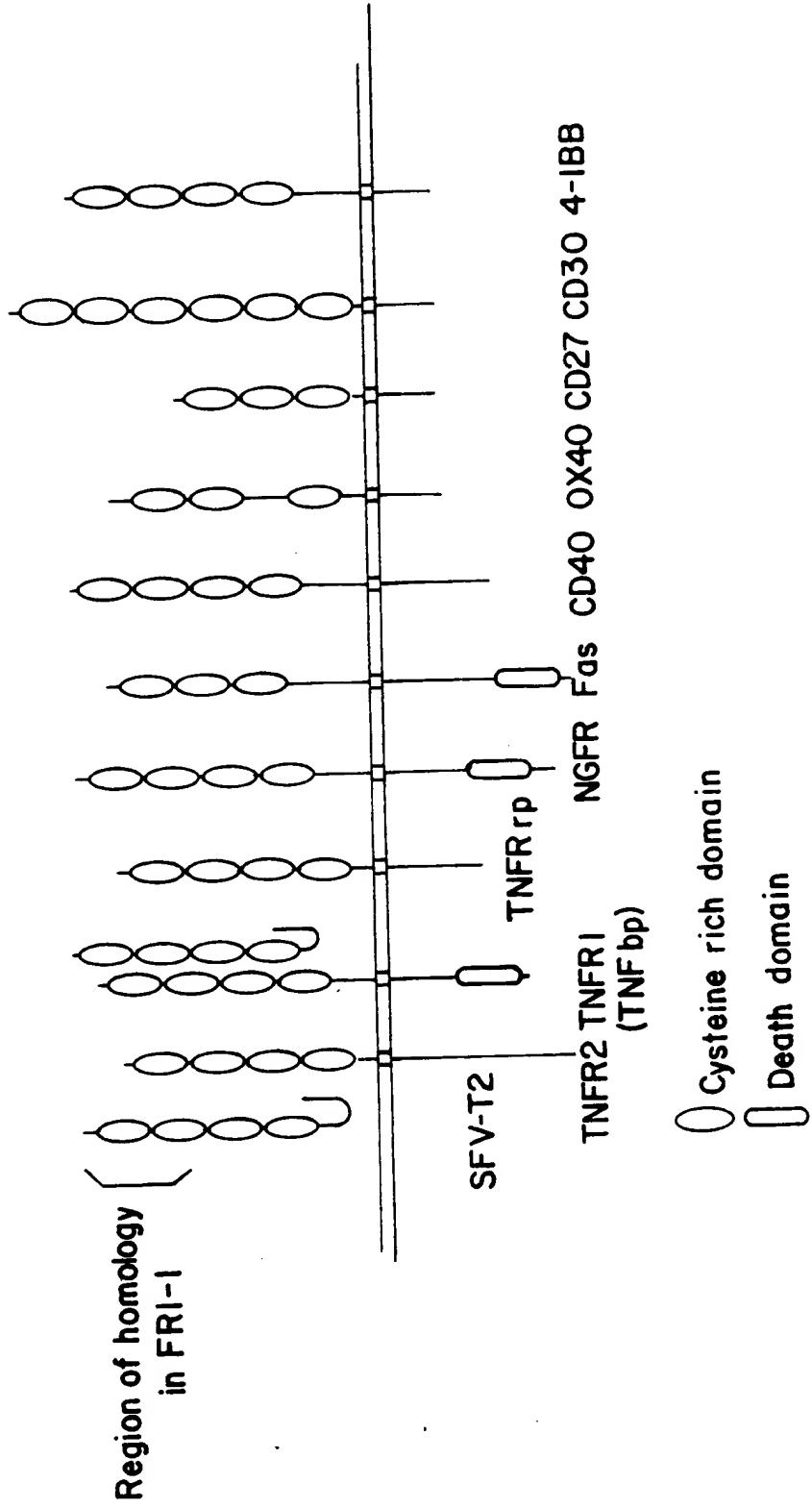


FIG. 2A

AUG

TAG

SP

FIG. 2B

```

          10           30           50
ATCAAAGGCAGGGCATACTTCCTGTTGCCAGACCTTATATAAAACGTCACTGTTGCCCTG
          70           90          110
GGCAGCAGAGAACGACACTAGCACTGGCCCAGCGGCTGCCGCTGAGGTTCCAGAGGACC
          130          150          170
ACAATGAACAAGTGGCTGTGCTGTGCACTCCTGGTGTCTGGACATCATGAAATGGACA
M N K W L C C A L L V F L D I I E W T
          190          210          230
ACCCAGGAAACCTTCCTCCAAAATACTTGCAATTATGACCCAGAAACCGGACGTCAGCTC
T Q E T F P P K Y L H Y D P E T G R Q L
          250          270          290
TTGTGTGACAATGTGCTCCTGGCACCTACCTAAAACAGCACTGCACAGTCAGGAGGAAG
L C D K C A P G T Y L K Q H C T V R R K
          310          330          350
ACACTGTGTGTCCTGCCCTGACTACTCTTATACAGACAGCTGGCACACGAGTGATGAA
T L C V P C P D Y S Y T D S W H T S D E
          370          390          410
T G C G T G T A C T G C A G C C C G T G T G C A A G G A A C T G C A G A C C G T G A A A C A G G A G T G C A A C C G C
C V Y C S P V C K E L Q T V K Q E C N R
          430          450          470
ACCCACAACCGAGTGTGCAATGTGAGGAAGGGCGCTACCTGGAGCTCGAATTCTGCTTG
T H N R V C E C E E G R Y L E L E F C L
          490          510          530
AAGCACCGGAGCTGTCCCCCAGGCTGGGTGTGCTGCAGGCTGGACCCCAGAGCGAAC
K H R S C P P G L G V L Q A G T P E R N
          550          570          590
ACGGTTGCAAAAGATGTCCGGATGGGTCTTCTCAGGTGAGACGTCACTGAAAGCACCC
T V C K R C P D G F F S G E T S S K A P
          610          630          650
T G T A G G A A C A C A C C A A C T G C A G C T C A C T T G G C T C C T G C T A A T T C A G A A A G G A A T G C A
C R K H T M C S S L G L L L I Q K G N A
          670          690          710
ACACATGACAATGTATGTCGGAAACAGAGAAGCAACTCAAATTGTGAAATAGATGTC
T H D N V C S G N R E A T Q N C G I D V
          730          750          770
ACCCTGTGCGAAGAGGCATTCTCAGGTTGCTGTGCTACCAAGATTATACCGAATTGG
T L C E E A F F R F A V P T K I I P N W
          790          810          830
CTGAGTGTCTGGTGGACAGTTGCCCTGGGACAAAGTAATGCAGAGAGTGTAGAGAGG
L S V L V D S L P G T K V N A E S V E R
          850          870          890
ATAAAACGGAGACACAGCTCGCAAGAGCAAACCTTCCAGCTACTTAAGCTGTGGAAGCAT
I K R R H S S Q E Q T F Q L L K L W K H
          910          930          950
CAAAACAGAGACAGGAAATGGTGAAGAAGATCATCCAAGACATTGACCTCTGTGAAAGC
Q N R D Q E M V K K I I Q D I D L C E S
          970          990          1010
AGTGTGCAACGGCATATCGGCCACGCGAACCTCACACAGAGCAGCTCCGCATCTTGATG
S V Q R H I G H A N L T T E Q L R I L M

```

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FIG.2C

1030 1050 1070

GAGAGCTTGCCTGGAAAGAAGATCAGCCCAGACGAGATTGAGAGAACGAGAAAGACCTGC
 E S L P G K K I S P D E I E R T R K T C
 1090 1110 1130

AAACCCAGCGAGCAGCTCCTGAAGCTACTGAGCTGTGGAGGGATCAAAAATGGAGACCAA
 K P S E Q L L K L L S L W R I K N G D Q
 1150 1170 1190

GACACCTTGAGGGCCTGATGTACGCACCTCAAGCACTTGAAAGCATACCACTTCCAAA
 D T L K G L M Y A L K H L K A Y H F P K
 1210 1230 1250

ACCGTCACCCACAGTCTGAGGAAGACCATCAGGTTCTTGCACAGCTTCACCATGTACCGA
 T V T H S L R K T I R F L H S F T M Y R
 1270 1290 1310

TTGTATCAGAAACTCTTCTAGAAATGATAGGAATCAGGTTCAATCAGTGAAGATAAGC
 L Y Q K L F L E M I G N Q V Q S V K I S
 1330 1350 1370

TGCTTATAGTTAGGAATGGTCACTGGGCTGTTCTCAGGATGGGCCAACACTGATGGAG
 C L 1390 1410 1430

CAGATGGCTGCTCTCCGGCTCTGAAATGGCAGTTGATTCTTCATCAGTTGGTGG
 1450 1470 1490

GAATGAAGATCCTCCAGCCAACACACACACTGGGGAGTCTGAGTCAGGAGAGTGAGGCA
 1510 1530 1550

GGCTATTTGATAATTGTGCAAAGCTGCCAGGTGTACACCTAGAAAGTCAAGCACCTGAG
 1570 1590 1610

AAAGAGGATATTTTATAACCTCAAACATAGGCCCTTCCTCCTCCTTATGGATGAG
 1630 1650 1670

TAECTCAGAAGGCTTCTACTATCTTCTGTGTACCCCTAGATGAAGGCCTCTTTATTTAT
 1690 1710 1730

TTTTTTATTCTTTTCGGAGCTGGGACCGAACCCAGGGCCTTGCCTTGCAGGCAA
 1750 1770 1790

GTGCTCTACCACTGAGCTAAATCTCCAACCCCTGAAGGCCTCTTCTTCTGCCTCTGAT
 1810 1830 1850

AGTCTATGACATTCTTTCTACAATTCTGATCAGGTGCACGCCCTATCCCATTGT
 1870 1890 1910

AGGTTCTAGGCAAGTTGACCGTTAGCTATTTCCCTCTGAAGATTGATTGAGTTGC
 1930 1950 1970

AGACTTGGCTAGACAAGCAGGGTAGGTTATGGTAGTTATTAACAGACTGCCACCAGG
 1990 2010 2030

AGTCCAGTGTCTTCTGTTCTGTAGTTGACCTAACGACTGACTCCAAGTACATTTAGTA
 2050 2070 2090

TGAAAAATAATCAACAAATTATTCTTCTATCAACATTGGCTAGCTTGTCTTCAAGGGC
 2110 2130 2150

ACTAAAAGAAACTACTATATGGAGAAAGAATTGATATTGCCCAACGTTCAACAAACCA
 2170 2190 2210

ATAGTTTATCCAGCTGTACGCCCTGGTCAGTGTACTGACTATGCCCTTATTAC
 2230 2250 2270

TGCATGCAGTAATTCAACTGGAAATAGTAATAATAATAAGAAATAAAATCTAGACTCC
 2290 2310 2330

ATTGGATCTCTGTAAATATGGGAATATCTAACCTAACGAGCTTGAGATTGAGTTGT
 2350 2370 2390

TAAAGGCTTTATTAAAAAGCTGATGCTCTGTAAAAGTTACTAATATCTGTAAGA
 2410 2430

CTATTACAGTATTGCTATTATCCATCCAG

FIG. 2D

FIG. 2E

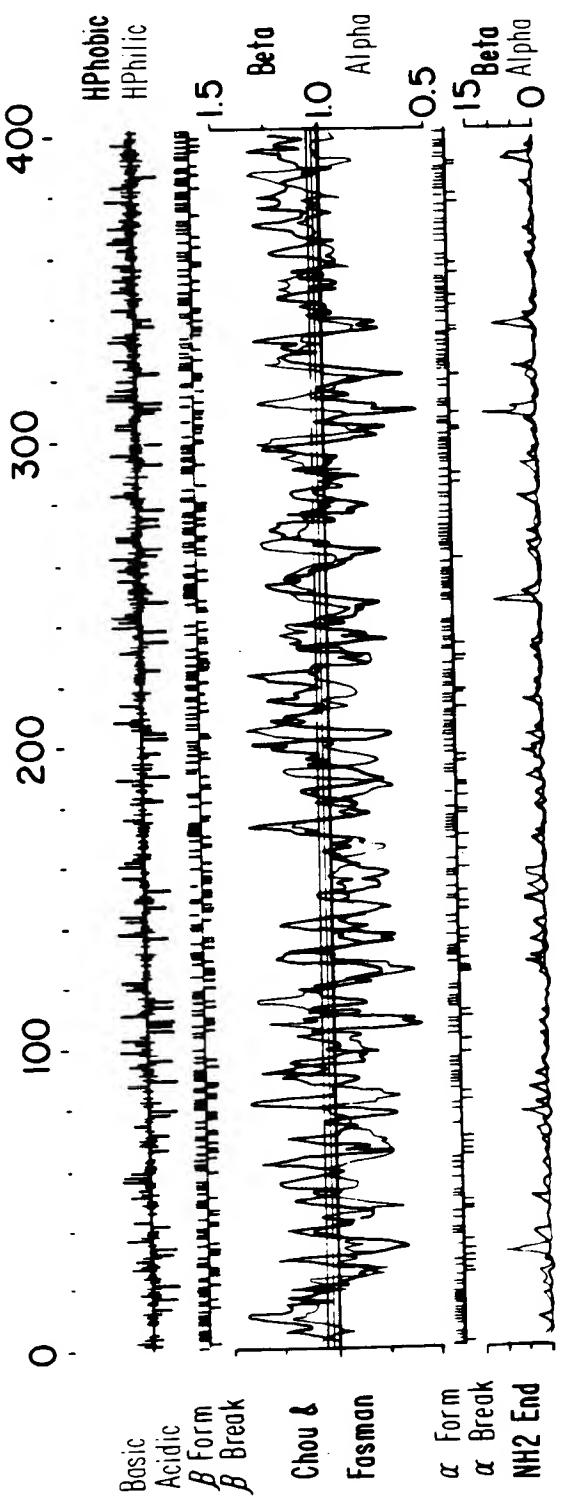


FIG. 3A

FIG. 3B

FIG. 3C

FIG. 3D

FIG. 3E

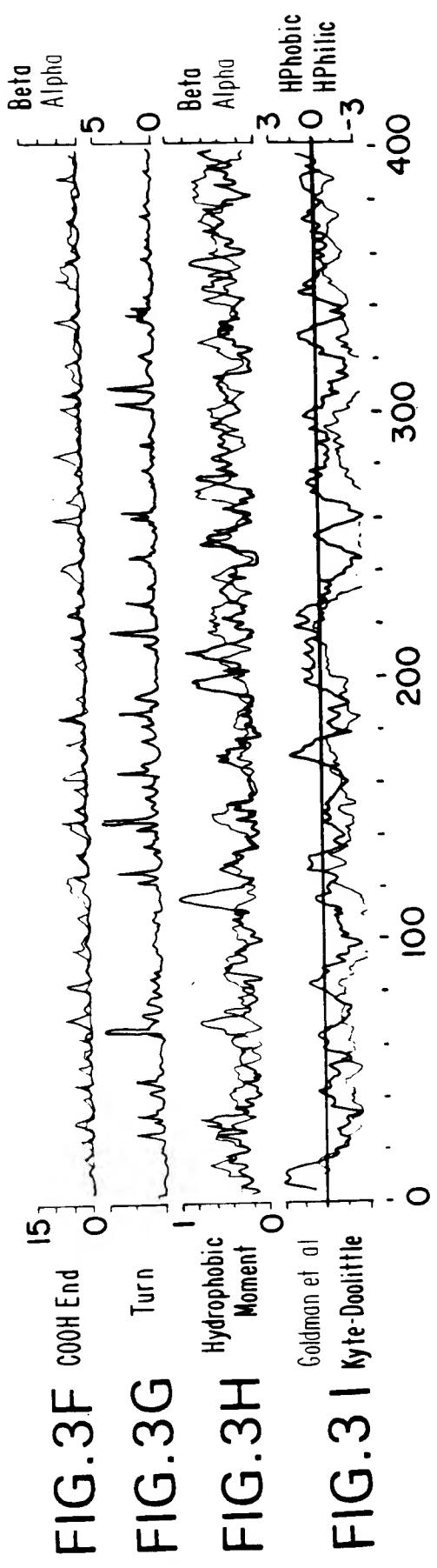


FIG.4A

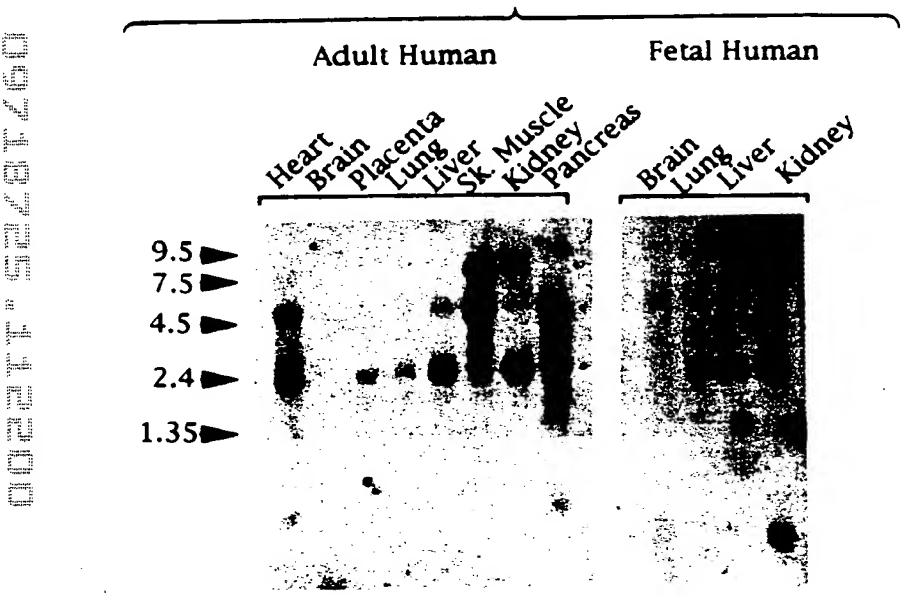


FIG.4B

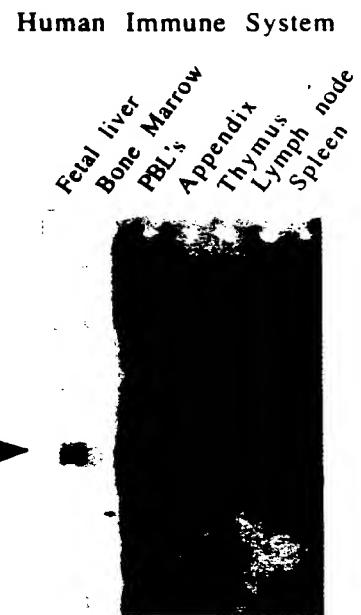


FIG.5

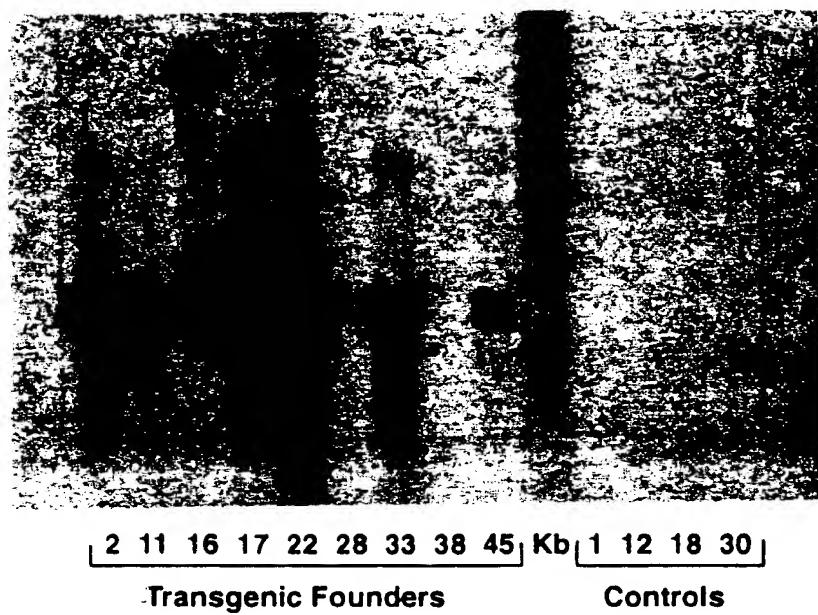


FIG.6A

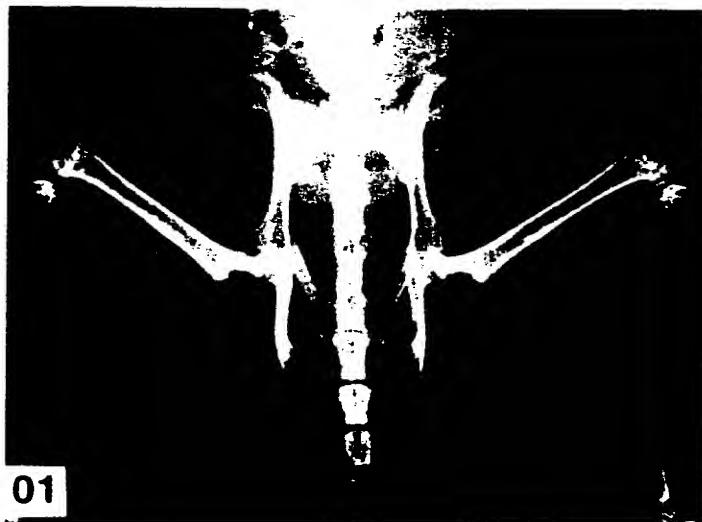


FIG.6B

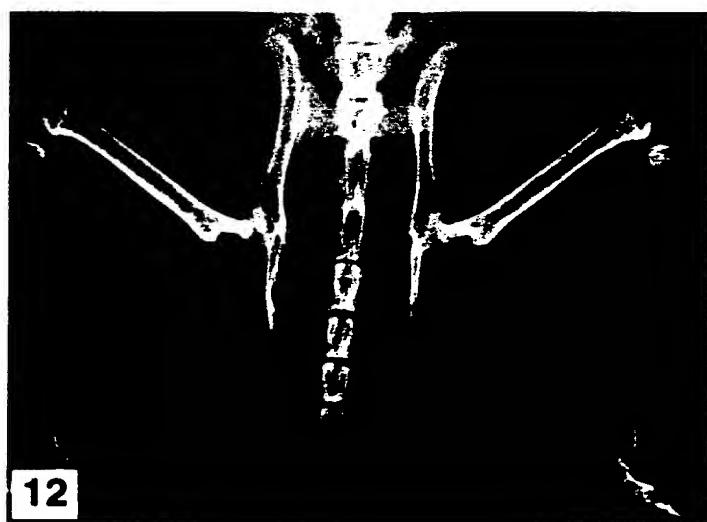


FIG.6C

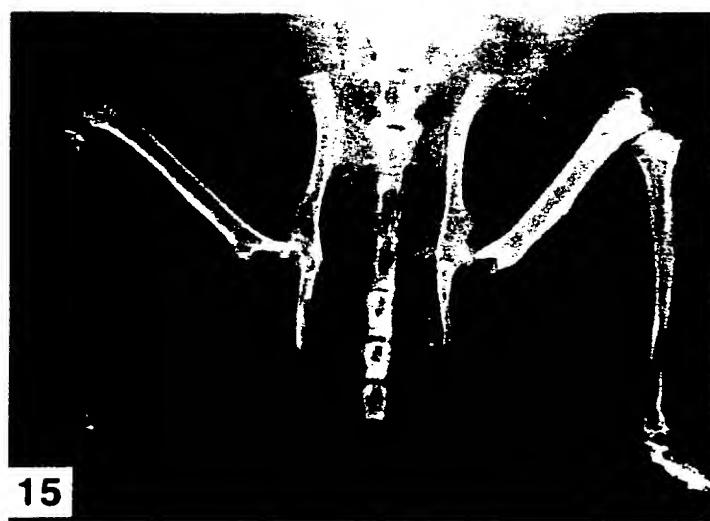


FIG.6D

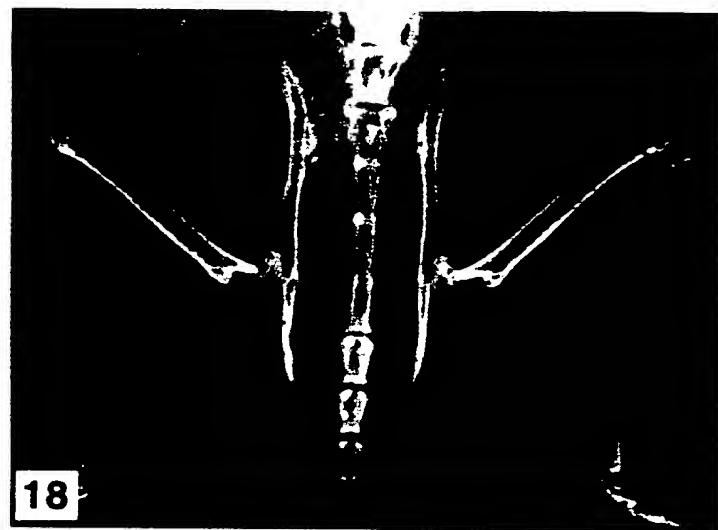
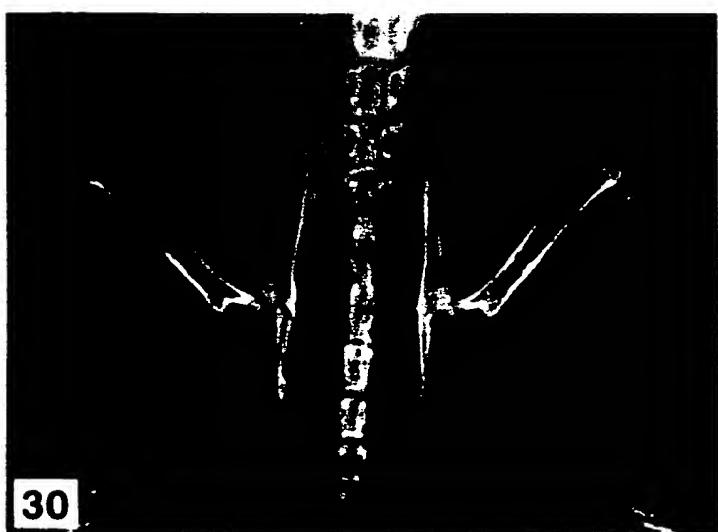


FIG.6E



FIG.6F



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FIG.6G

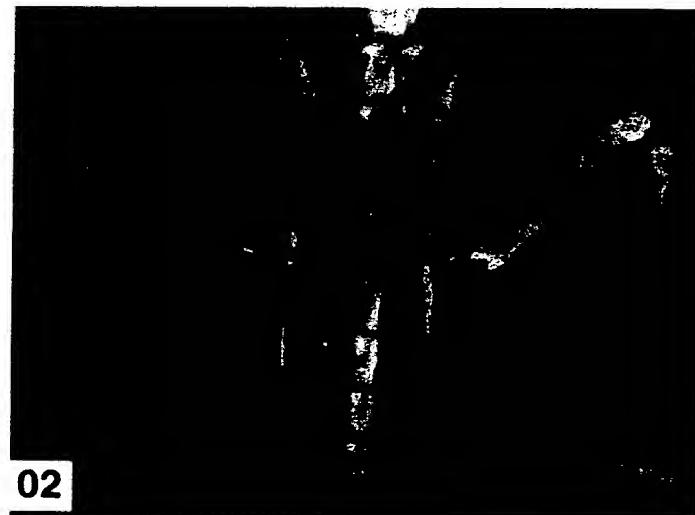


FIG.6H

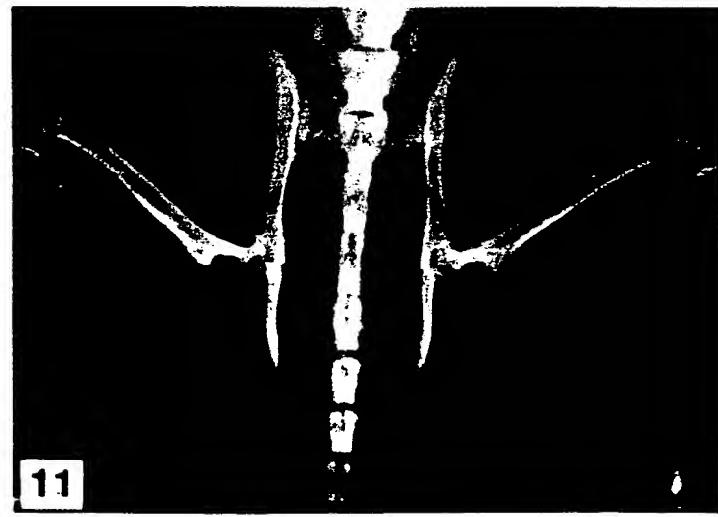


FIG.6I

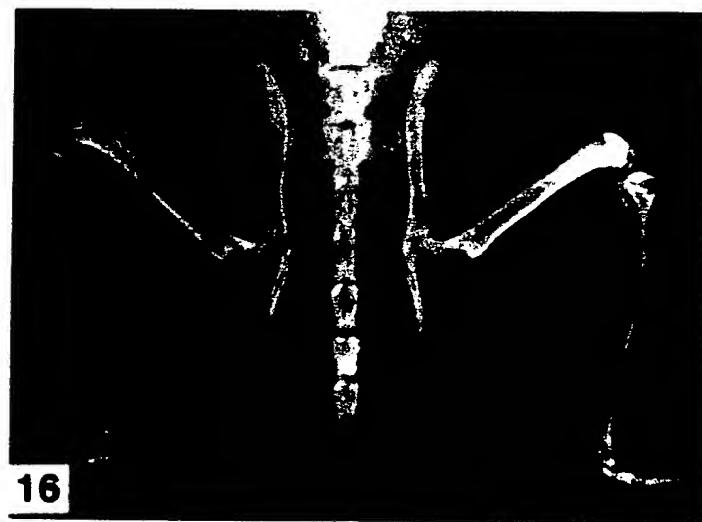


FIG.6J

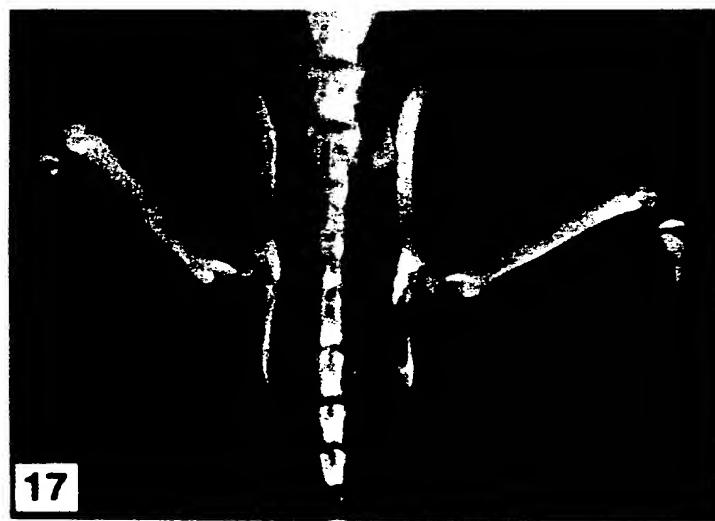


FIG.7A

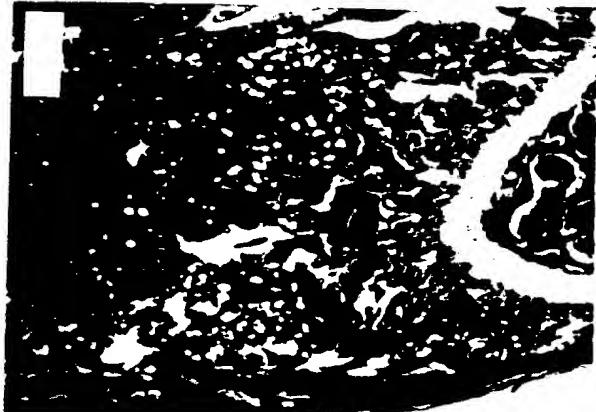


FIG.7B



FIG.7C

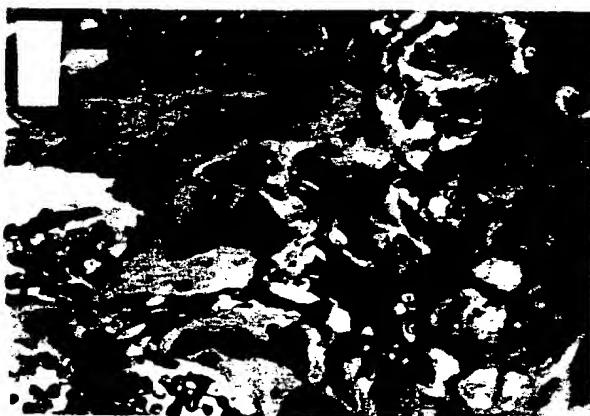


FIG.7D



FIG.7E



FIG.7F



FIG.7G

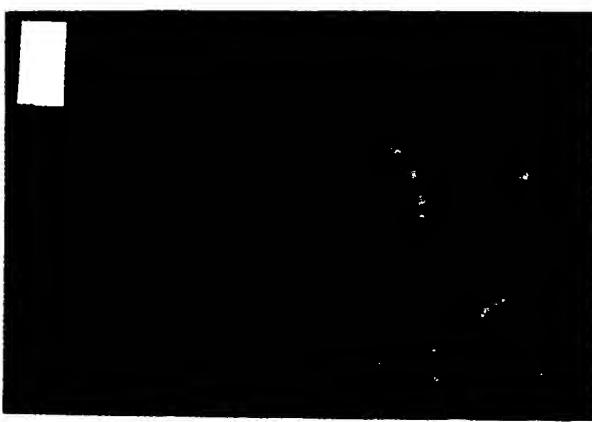


FIG.7H



FIG.8A

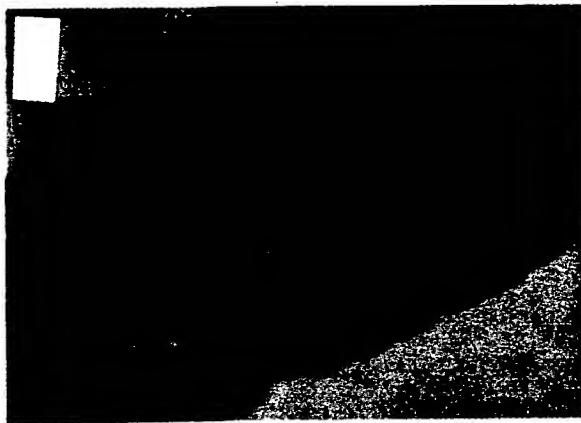


FIG.8B

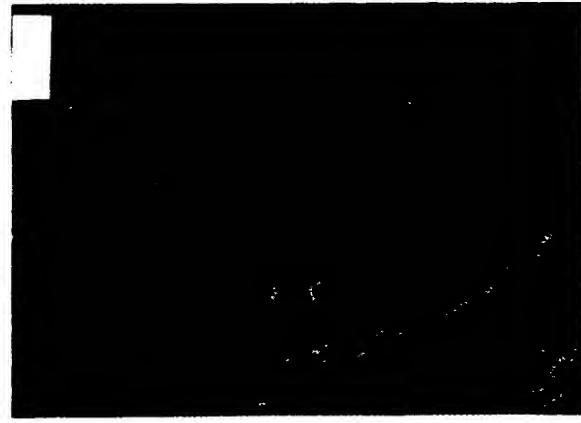


FIG.8C



FIG.8D



FIG.9A

10 30 50
 CCTTATATAAACGTACATGATTGCCCTGGGCTGCAGAGACGCACCTAGCACTGACCCAGCG
 70 90 110
 GCTGCCCTCCTGAGGTTCCCGAGGACCACAATGAACAAGTGGCTGTGCTGCGCACTCCTG
 M N K W L C C A L L
 130 150 170
 GTGCTCCTGGACATCATGAAATGGACAAACCCAGGAAACCCCTTCCTCCAAAGTACTTGCAT
 V L L D I I E W T T O E T L P P K Y L H
 190 210 230
 TATGACCCAGAAACTGGTCATCAGCTCC'GTGTGACAAATG'TGCTCCTGGCACCTACCTA
 Y D P E T G H Q L L C D K C A P G T Y L
 250 270 290
 AACACAGCACTGCACAGTGAGGAGGAAGACATTGTGTGTCCTGCCCTGACCACTCTTAT
 K Q H C T V R R K T L C V P C P D H S Y
 310 330 350
 ACGGACAGCTGGCACACCAAGTGATGAGTGTGTATTGCAGCCCAGTGTGCAAGGAAC TG
 T D S W H T S D E C V Y C S P V C K E L
 370 390 410
 CAGTCGTGAAGCAGGAGTGCAACCGCACCCACAACCGAGTGTGTGAGTGTGAGGAAGGG
 Q S V K Q E C N R T H N R V C E C E E G
 430 450 470
 CGTTACCTGGAGATCGAATTCTGCTTGAAGCACCGAGCTGTCCCCGGCTCCGGCGTG
 R Y L E I E F C L K H R S C P P G S G V
 490 510 530
 GTGCAAGCTGGAACCCAGAGCGAAACACAGTTGCAAAAAATGTCCAGATGGGTTCTTC
 V Q A G T P E R N T V C K K C P D G F F
 550 570 590
 TCAGGTGAGACTTCATCGAAAGCACCCGTATAAAACACAGAACACTGCAGCACATTGGC
 S G E T S S K A P C I K H T N C S T F G
 610 630 650
 CTCCTGCTAATTGAGAAAGGAAATGCAACACACATGACAACGTGTGTTCCGGAAACAGAGAA
 L L L I Q K G N A T H D N V C S G N R E
 670 690 710
 GCCACGCAAAGTGTGGAATAGATGTCACCCGTGTGAAGAGGGCTTCTCAGGTTGCT
 A T Q K C G I D V T L C E E A F F R F A
 730 750 770
 GTTCCCTACCAAGATTACCAAATTGGCTGAGTGTGTTGGTGGACAGTTGCTGGGACC
 V P T K I I P N W L S V L V D S L P G T

FIG.9B

790	810	830
AAAGTGAATGCCGAGAGTGTAGAGAGGATAAAACGGAGACACAGCTCACAAAGAGCAAACC		
K V N A E S V E R I K R R H S S Q E Q T		
850	870	890
TTCCAGCTGCTGAAGCTGTGGAAACATCAAAACAGAGACCAGGAAATGGTGAAGAAGATC		
F Q L L K L W K H Q N R D Q E M V K K I		
910	930	950
ATCCAAGACATTGACCTCTGTGAAAGCAGCGTGCAGCGGCATCTCGGCCACTCGAACCTC		
I Q D I D L C E S S V Q R H L G H S N L		
970	990	1010
ACCACAGAGCAGCTCTTCCTGCTTGATGGAGAGAGCCTGCCTGGAAAGAAGATCAGCCCAGAA		
T T E Q L L A L M E S L P G K K I S P E		
1030	1050	1070
GAGATTGAGAGAACGAGAAAGACCTGCAAATCGAGCGAGCAGCTCCTGAAGCTACTCAGT		
E I E R T R K T C K S S E Q L L K L L S		
1090	1110	1130
TTATGGAGGATCAAAATGGTGAACCAAGACACCTTGAAGGGCCTGATGTATGCCCTCAAG		
L W R I K N G D Q D T L K G L M Y A L K		
1150	1170	1190
CACTTGAAAACATCCCACTTICCCAAAACGTGTCACCCACAGTCTGAGGAAGACCATGAGG		
H L K T S H F P K T V T H S L R K T M R		
1210	1230	1250
TTCCTGCACAGCTTCACAATGTACAGACTGTATCAGAAGCTCTTTAGAAATGATAGGG		
F L H S F T M Y R L Y Q K L F L E M I G		
1270	1290	1310
AATCAGGTTCAATCCGTGAAAATAAGCTGCTTATAACTAGGAATGGTCACTGGCTGTTT		
N Q V Q S V K I S C L		
CTTCA		

FIG.9C

10 30 50

GTATATATAACGTGATGAGCGTACGGGTGCGGAGACGCACCGGAGCGCTGCCAGCCGC
 70 90 110
 CGYCTCCAAGCCCCTGAGGTTCCGGGGACCACAATGAACAAGTTGCTGTGCTGCGCGCT
 M N K L I C C A L

130	150	170
CGTGTTTCTGGACATCTCCATTAAAGTGGACCACCCAGGAAACGTTTCCTCCAAAGTACCT		
V F L D I S I K W T T O E T F P P K Y L		
190	210	230
TCATTATGACGAAGAACCTCTCATCAGCTGTTGTGACAAATGTCCTCCTGGTACCTA		
H Y D E E T S H Q L L C D K C P P G T Y		
250	270	290
CCTAAAACAACACTGTACAGCAAAGTGGAGACCGTGTGCGCCCTTGCCCTGACCACTA		
L K Q H C T A K W K T V C A P C P D H Y		
310	330	350
CTACACAGACAGCTGGCACACCAAGTGACGAGTGTCTATACTGCAGCCCCGTGTGCAAGGA		
Y T D S W H T S D E C L Y C S P V C K E		
370	390	410
GCTGCAGTACGTCAAGCAGGAGTGCATCGCACCCACAACCGCGTGTGCGAATGCAAGGA		
L Q Y V K Q E C N R T H N R V C E C K E		
430	450	470
AGGGCGCTACCTTGAGATAGAGTTCTGCTTGAAACATAGGAGCTGCCCTCCTGGATTG		
G R Y L E I E F C L K H R S C P P G F G		
490	510	530
AGTGGTGCAAGCTGGAACCCAGAGCGAAATACAGTTGCAAAAGATGTCCAGATGGGTT		
V V Q A G T P E R N T V C K R C P D G F		
550	570	590
CTTCTCAAATGAGACGTATCTAAAGCACCCGTAGAAAACACACAAATTGCAGTGTCTT		
F S N E T S S K A P C R K H T N C S V F		
610	630	650
TGGTCTCCTGCTAACTCAGAAAGGAAATGCAACACACGACAACATATGTTCCGGAAACAG		
G L L L T Q K G N A T H D N I C S G N S		
670	690	710
TGAATCAACTCAAAATGTGGAATAGATGTTACCCGTGTGAGGAGGCATTCTCAGGTT		
E S T Q K C G I D V T L C E E A F F R F		
730	750	770
TGCTGTTCCCTACAAAGTTACGCCTAACTGGCTTAGTGTCTGGTAGACAATTGCCTGG		
A V P T K F T P N W L S V L V D N L P G		

FIG.9D

790 810 830
CACCAAAAGTAAACGCAGAGAGTGTAGAGAGGATAAAACGGCAACACAGCTCACAAGAACAA
T K V N A E S V E R I K R Q H S S Q E Q
850 870 890
GACTTTCCAGCTGCTGAAGTTATGGAAACATCAAAACAAAGACCAAGATATAGTCAGAA
T F Q L L K L W K H Q N K D Q D I V K K
910 930 950
GATCATCCAAGATATTGACCTCTGTGAAAACAGCGTGAGCGGCACATTGGACATGCTAA
I I Q D I D L C E N S V Q R H I G H A N
970 990 1010
CCTCACCTTCGAGCAGCTCGTAGCTTGTGAAAGCTTACCGGGAAAGAAAGTGGGAGC
L T F E Q L R S L M E S L P G K K V G A
1030 1050 1070
AGAAGACATTGAAAAAACATAAAGGCATGCAAACCCAGTGACCAGATCCTGAAGCTGCT
E D I E K T I K A C K P S D Q I L K L L
1090 1110 1130
CAGTTTGTGGCGAATAAAAATGGCGACCAAGACACCTTGAAGGGCTAATGCACGCACT
S L W R I K N G D Q D T L K G L M H A L
1150 1170 1190
AAAGCACTCAAAGACGTACCACTTCCCCAAACTGTCACTCAGAGTCTAAAGAAGACCAT
K H S K T Y H F P K T V T Q S L K K T I
1210 1230 1250
CAGGTTCCCTCACAGCTTCACAATGTACAAATTGTATCAGAAGTTATTTAGAAATGAT
R F L H S F T M Y K L Y Q K L F L E M I
1270 1290 1310
AGGTAACCAGGTCCAATCAGTAAAATAAGCTGCTTATAACTGGAAATGCCATTGAGCT
G N Q V Q S V K I S C L
1330 1350
GTTTCCTCACAAATTGGCGAGATCCCATGGATGATAA

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FIG. 9E

muosteо.frg	M N K W L C C A L L V L D I I E W T T Q E T L P P K Y L H Y D P E T G H Q I L L C D K C A P G T Y I	50
ratosteо.frg	M N K W L C C A L L V F L D I I E W T T Q E T F P P K Y L H Y D P E T G R Q I L L C D K C A P G T Y I	50
huosteо.frg	M N K E L L C C A L V F L D I S I R W T T Q E T F P P K Y L H Y D E E T S H Q I L L C D K C P P G T Y I	50
muosteо.frg	K Q H C T V R R K T L C V P C P D H S Y T D S W H A T S D E C V Y C S P V C K E L Q S V K Q E C N R T	100
ratosteо.frg	K Q H C T V R R K T I C V P C P D Y S Y T D S W H A T S D E C V Y C S P V C K E L Q I V K Q E C N R T	100
huosteо.frg	K Q H C T A K W K T V C A P C P D H Y I T D S W H A T S D E C I Y C S P V C K E L Q Y V K Q E C N R T	100
muosteо.frg	H N R V C E C E E G R Y L E I E F C L K H R S C P P G S G V V Q A G T P E R N T V C K K C P D G F F	150
ratosteо.frg	H N R V C E C E E G R Y L E I E F C L K H R S C P P G L G V I Q A G T P E R N T V C K K R C P D G F F	150
huosteо.frg	H N R V C E C E K E G R Y L E I E F C L K H R S C P P G F G V V Q A G T P E R N T V C K K R C P D G F F	150
muosteо.frg	S G E T S S K A P C I K H T N C S T F G L L I Q K G N A T H D N V C S G N R E A T Q K C G I D V T	200
ratosteо.frg	S G E T S S K A P C R K H T N C S S I G L L I T I Q K G N A T H D N V C S G N R E A T Q N C G I D V T	200
huosteо.frg	S N E T S S K A P C R K H T N C S V I E G L L I T Q K G N A T H D N I C S G N S E S T Q K C G I D V T	200

FIG.9F

muosteо.frg	LCE EAFF RFAV PTK IIP NWLS VLV D SLP GT KVNA E SVERIK R R HSS QEQQT	250
ratosteо.frg	LCE EAFF RFAV PTK IIP NWLS VLV D SLP GT KVNA E SVERIK R R HSS QEQQT	250
huosteо.frg	LCE EAFF RFAV PTK FTP NWLS VLV D NLP GT KVNA E SVERIK R QHSS QEQQT	250
muosteо.frg	FQL LK LWK HQN RDQEMVKIIQDIDLCESSVQRH[GH]SNLTTEQLLA M E	300
ratosteо.frg	FQL LK LWK HQN RDQEMVKIIQDIDLCESSVQRH[IGH]ANLTTEQLRILM E	300
huosteо.frg	FQL LK LWK HQN RDQDTVKKIIQDIDLCENSVQRH[IGH]ANLTFEQLRSLME	300
muosteо.frg	SLPGKKIISPEEIERTRKTCKSSEQLLKLLSWRIKNGDQDTLKGLMYALK	350
ratosteо.frg	SLPGKKIISPDIEERTRKTCKPSEQLLKLLSWRIKNGDQDTLKGLMYALK	350
huosteо.frg	SLPGKKVGAEDIEERTTKACKPSDQITLKLLSWRIKNGDQDTLKGLMHALK	350
muosteо.frg	H LKT SHFPKTVTHSLRKTMREFLHSFTMYRLYQKLFILEMIGNQVQSUVKIS C	400
ratosteо.frg	H LKA YHF PKTVTHSLRKTIREFLHSFTMYRLYQKLFILEMIGNQVQSUVKIS C	400
huosteо.frg	H SKT YHFPKTVTOSLKKTIRFLHSFTMYKL YQKLFILEMIGNQVQSUVKIS C	400
muosteо.frg	L	401
ratosteо.frg	L	401
huosteо.frg	L	401

FIG. 10

ltmr C P Q - C K Y I H P O N N S I C T K C H K G T Y L Y N D C P G P G Q D T D C R E C E S G S F T A S 49
humoste P P K Y L H Y D E E T S H Q L L C D K C P P G T Y L K Q H C T A K - W K T V C A P C P D H Y Y T D S 49

ltmr E N H L R H C L S C S - K C R K E M G Q V E I S S C T V D R D T V C G C R K N Q Y R H Y W S E N L F 98
humoste W H T S D E C L Y C S P V C - K E L Q Y V K - Q E C N R T H N R V C E C K E G R Y L E I - - E - F 93

ltmr Q C F N C S L C L N G - T V H L S C Q E K Q N T V C T - C H A G F F L R E - - - N E C V S C 139
humoste - C L K H R S C P P G F G V V Q A G T P E R N T V C K R C P D G F F S N E T S S K A P C R K H 139

FIG. II

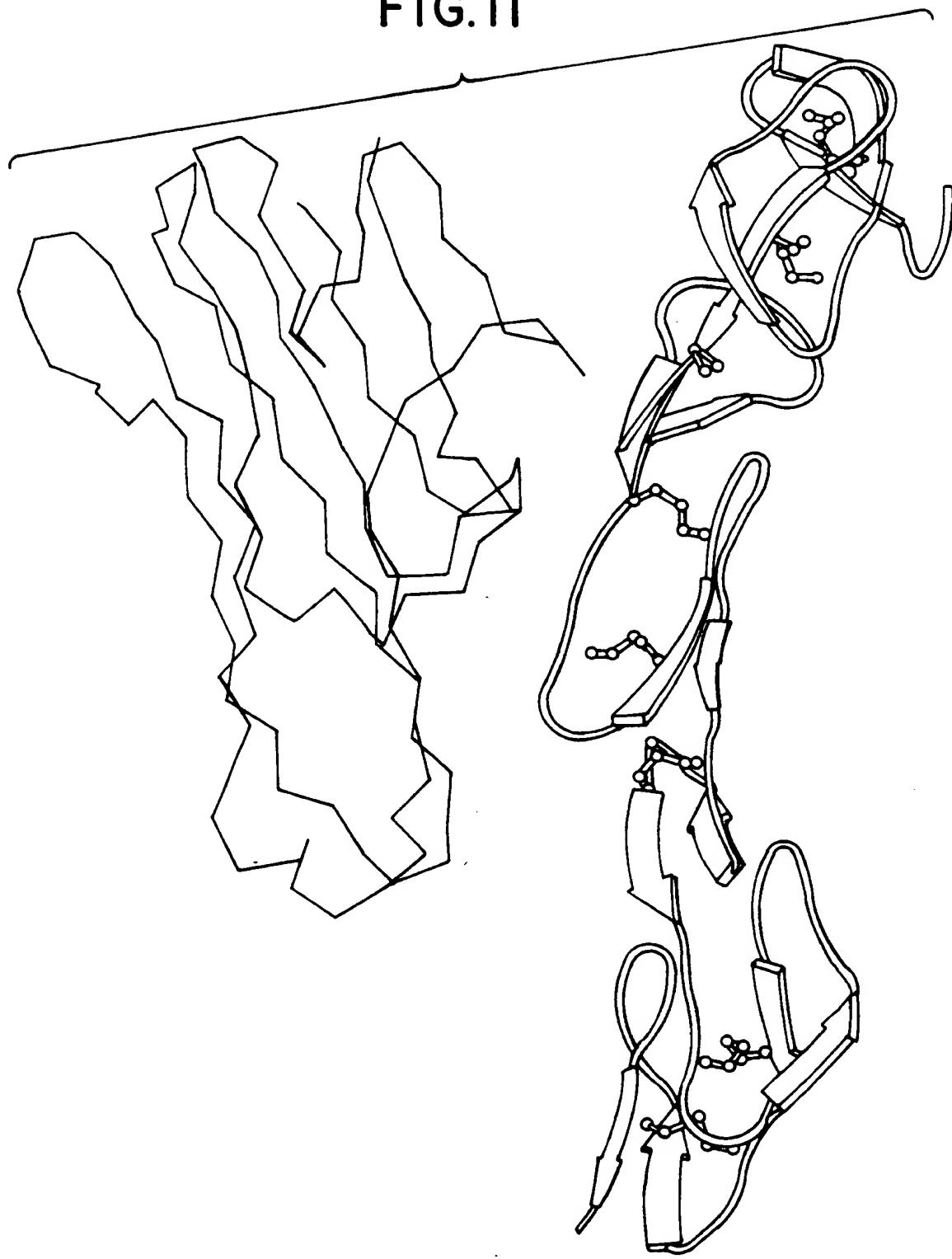


FIG. 12A

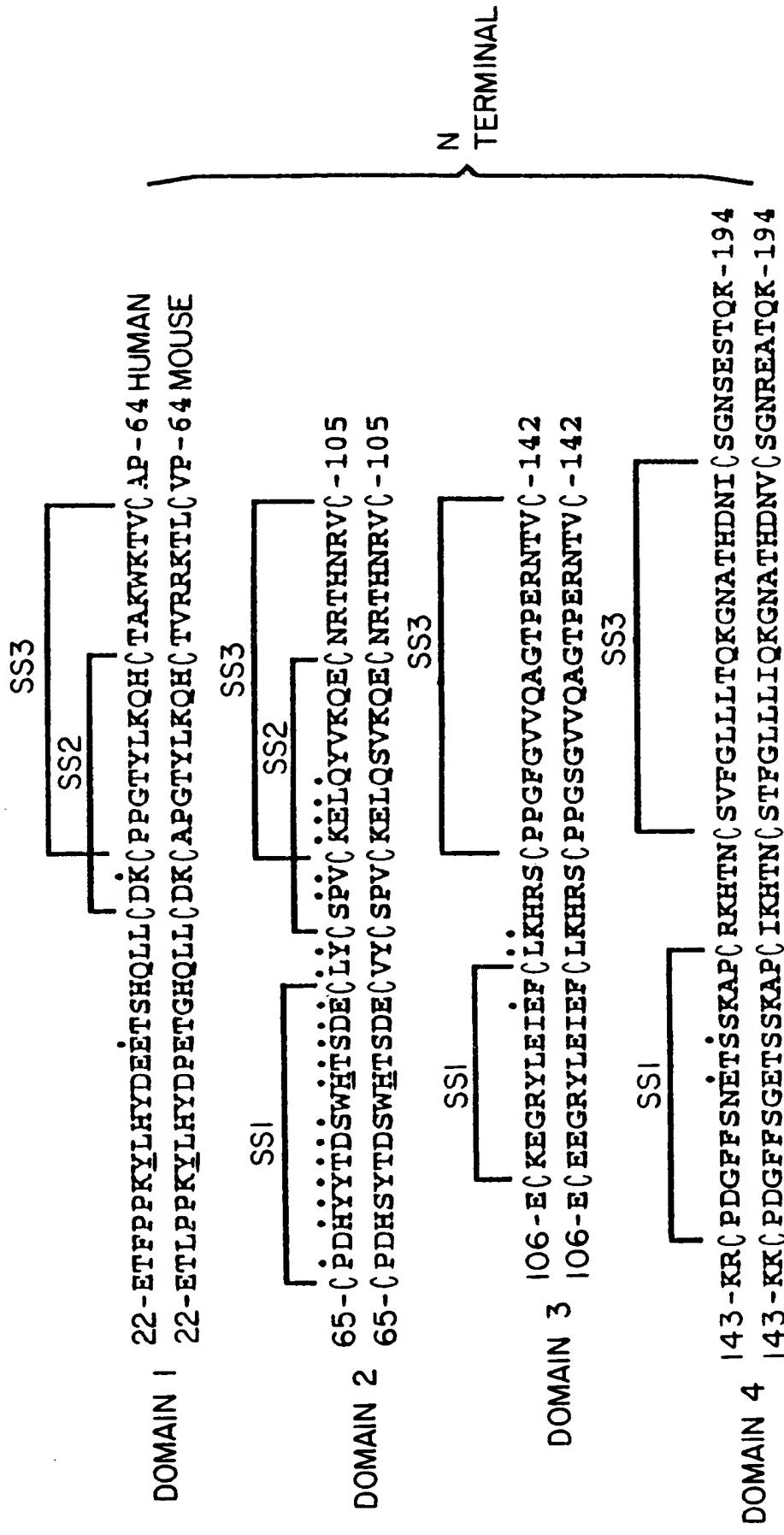


FIG. 12B

195 -CGIDVTI[CE]EAAFPFAVPTKFTPNNWLSQLVDNLPGTKVNAESVERIKRQHSS-246
195 -CGIDVTI[CE]EAAFPFAVPTKIIIPNWLSVLVDSLPGTKVNAESVERIKRQHSS-246

247 -QEQT[FQLLKLWKHQNQKDQDIVKKIIQDIDIC]ENSVQRHIGHANLTPEQLRSL-298
247 -QEQT[FQLLKLWKHQNRDQEMVKKIIQDIDIC]ESSVQRHIGHSNLTTEQLLAL-298

C TERMINAL

299 -MESILPGKVKVGAEDIETIKAK[KPSDQIILKLLSLWRIKNGDQDTLKGLMHALK-350

299 -MESILPGKVKISPEEIERTRKT[KSSSEQLLKLSSLWRIKNGDQDTLKGLMHALK-350

351 -HSKTYHEPPKTVTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCH-401

351 -HLKTSHPKTVTHSLRKTMRFPLHSFTMYRLYQKLFLEMIGNQVQSVKISCL-401

FIG. 13A

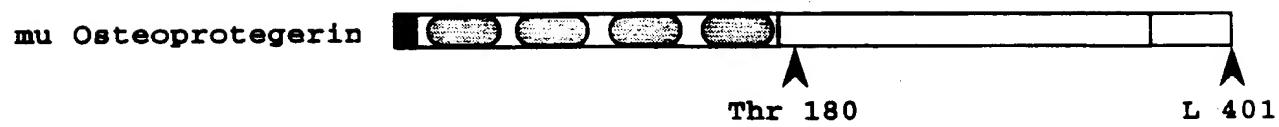


FIG. 13B

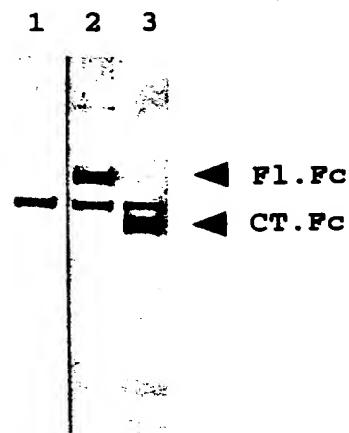


FIG. 13C

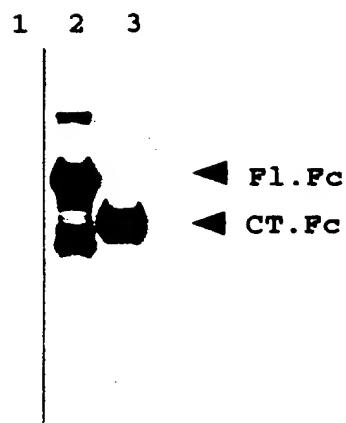
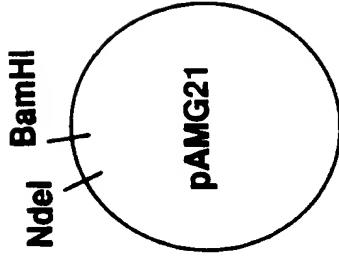


FIG. 14A



Kpn I cohesive end

TATGGATGAAGAAACTTCTCATCAGCTGCTGTGATAAAATGTCGGCCGGGTAC
ACCTACTTCTTGAAGAGTAGTCGACGACACTATTACAGGCC

+

1257-20 hu Osteoprotegerin PCR Product
BamHI

KpnI

#1257-19

KpnI

Oligo Linker & PCR Product

A fragment

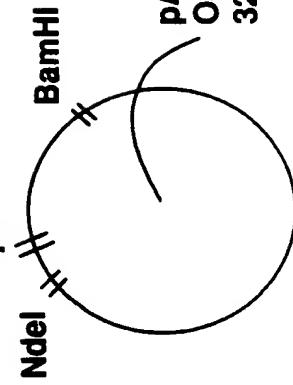


FIG. 14B

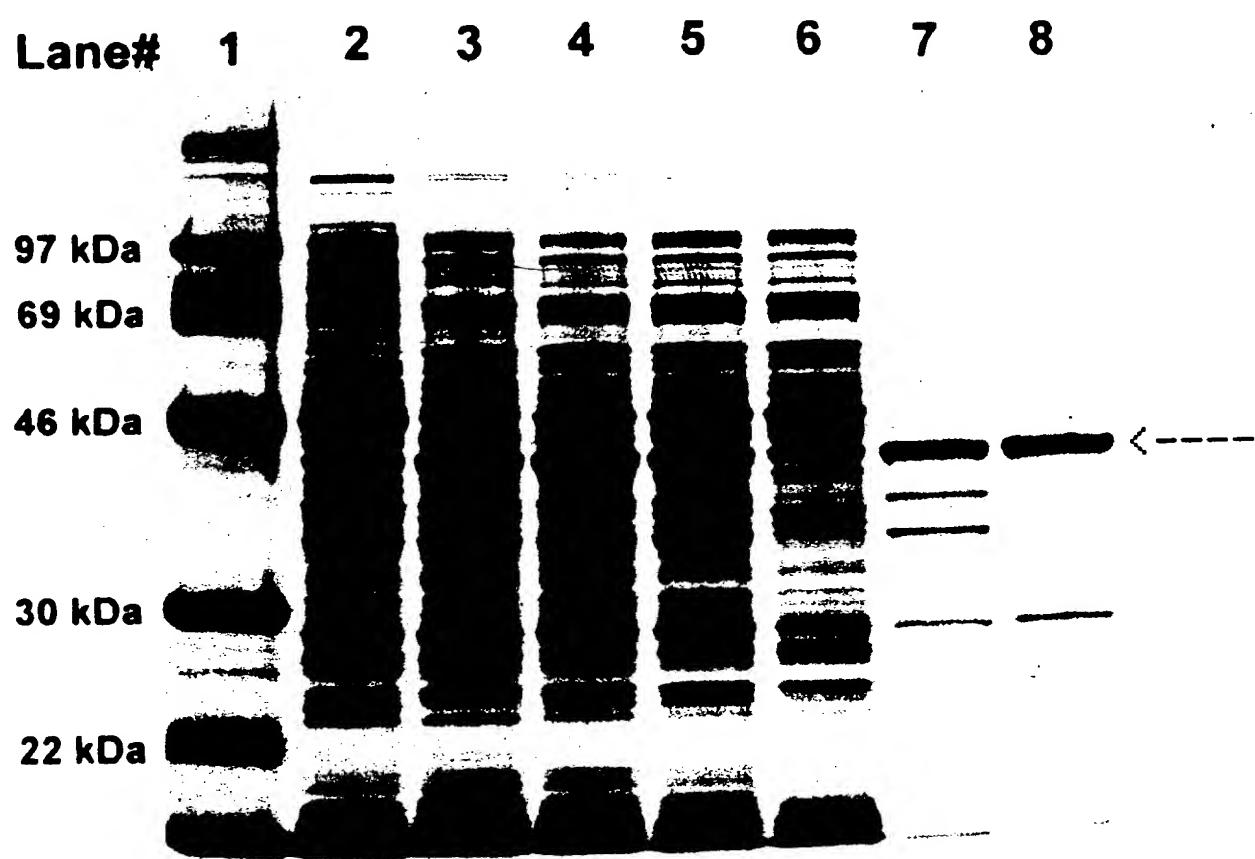


FIG. 15

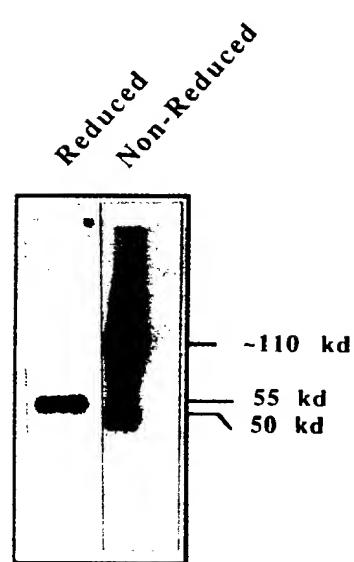


FIG. 16A

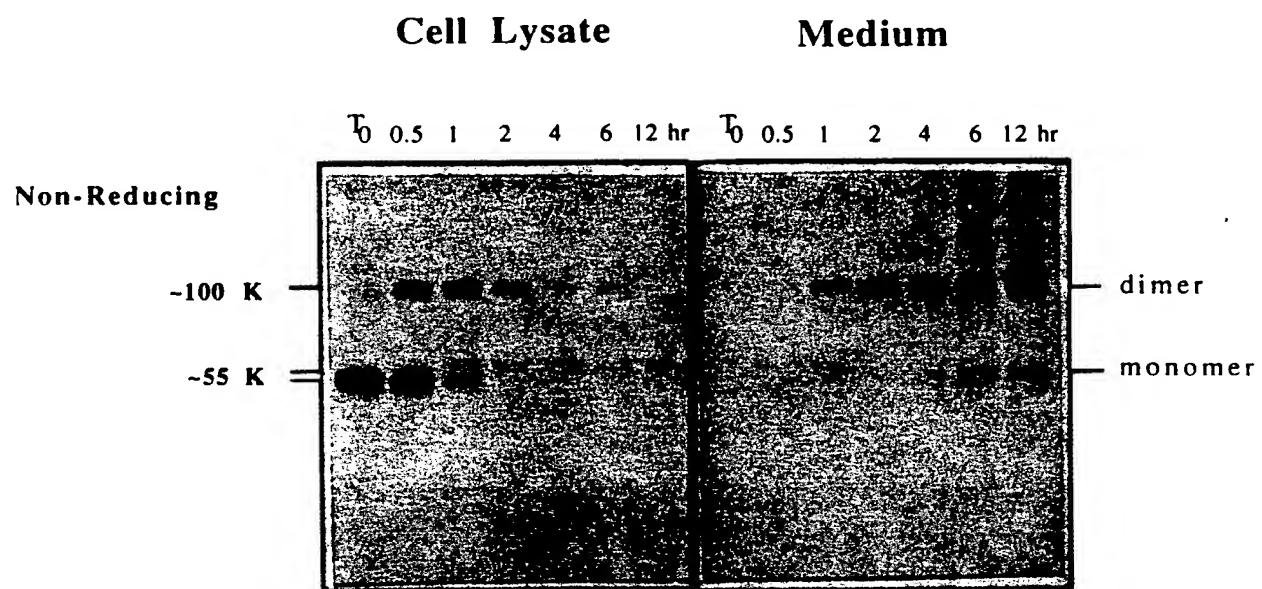


FIG. 16B

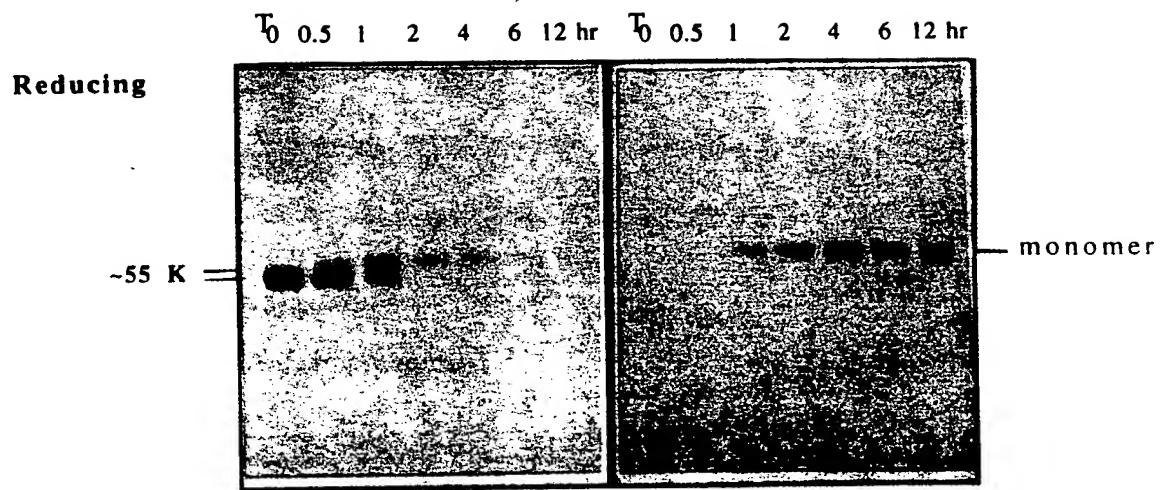


FIG. 17

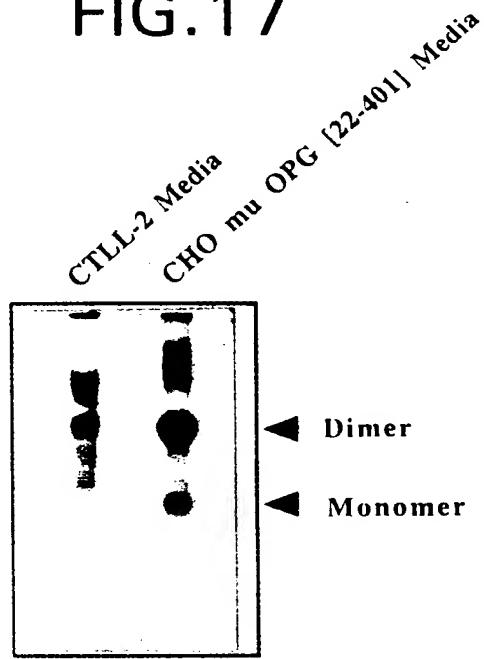
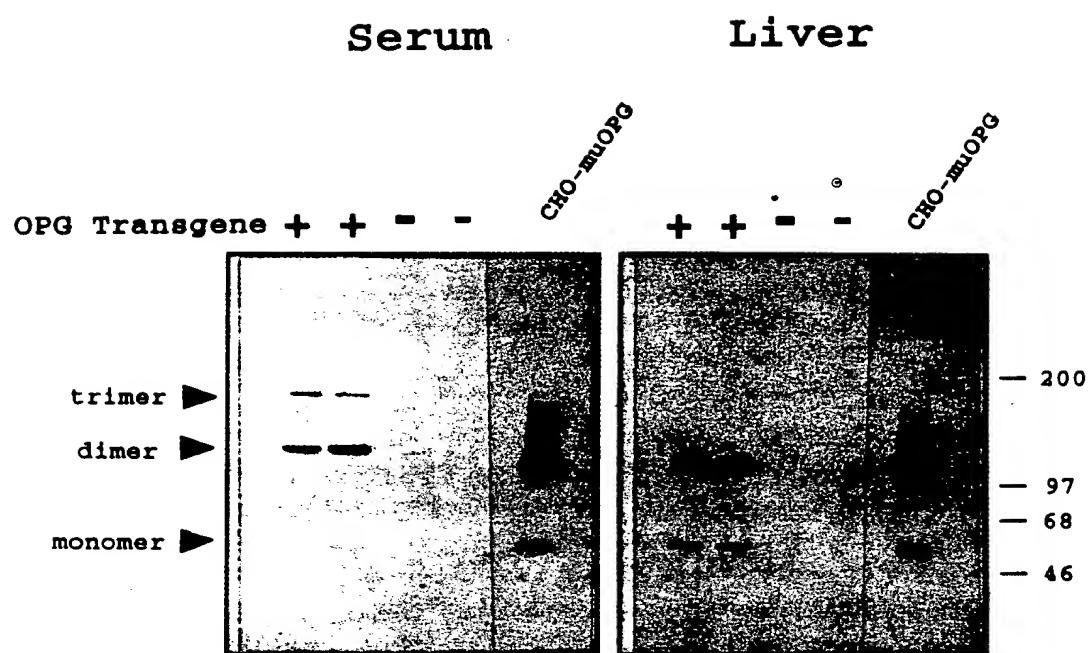


FIG. 18



002247 52/83 T/MG

FIG. 19A

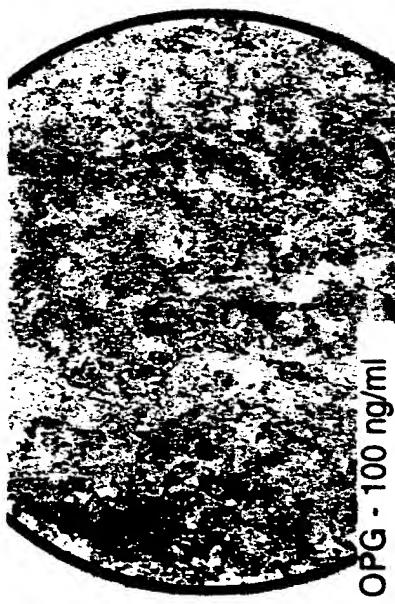


FIG. 19B

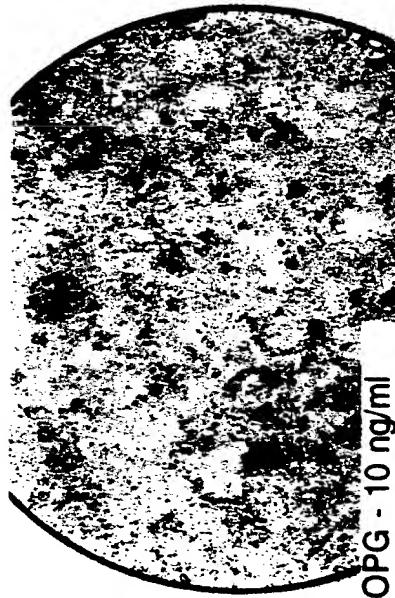


FIG. 19C

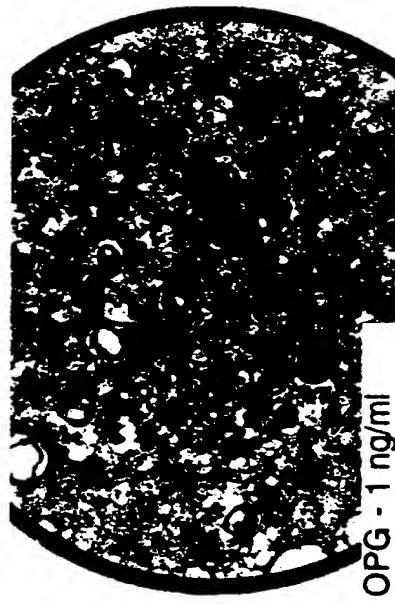
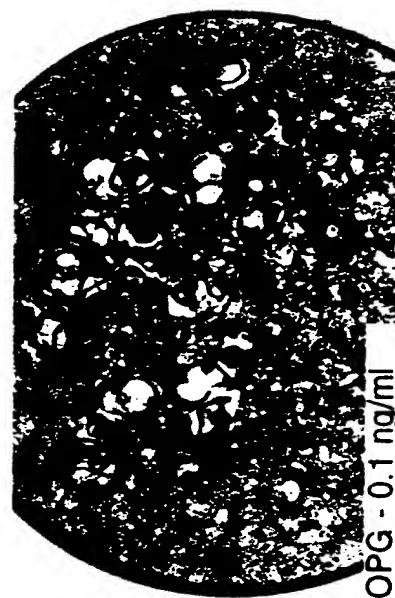


FIG. 19D



OPG - 0.01 ng/ml

OPG - 10 ng/ml

OPG - 1 ng/ml

FIG. 19E

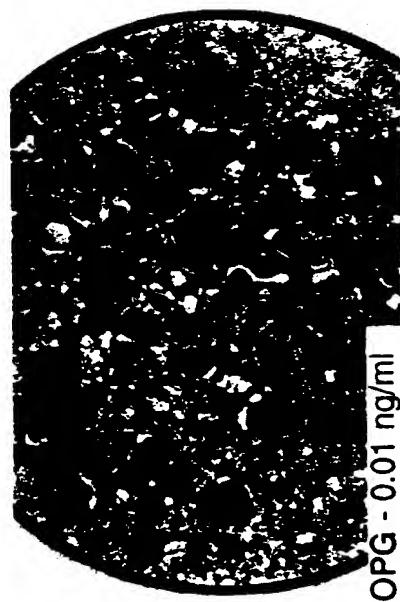


FIG. 19F

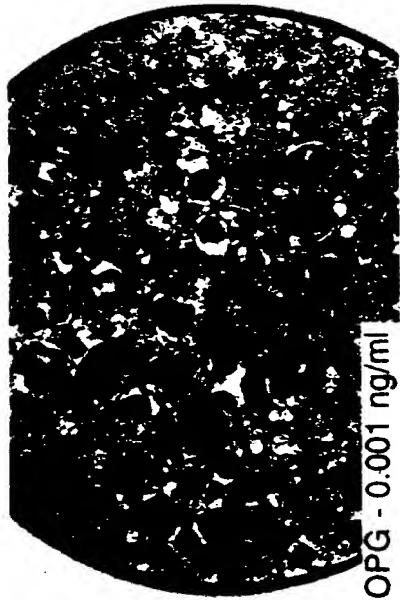


FIG. 19G

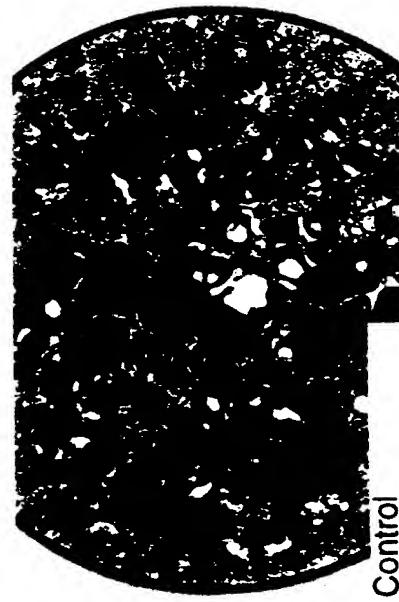


FIG.20

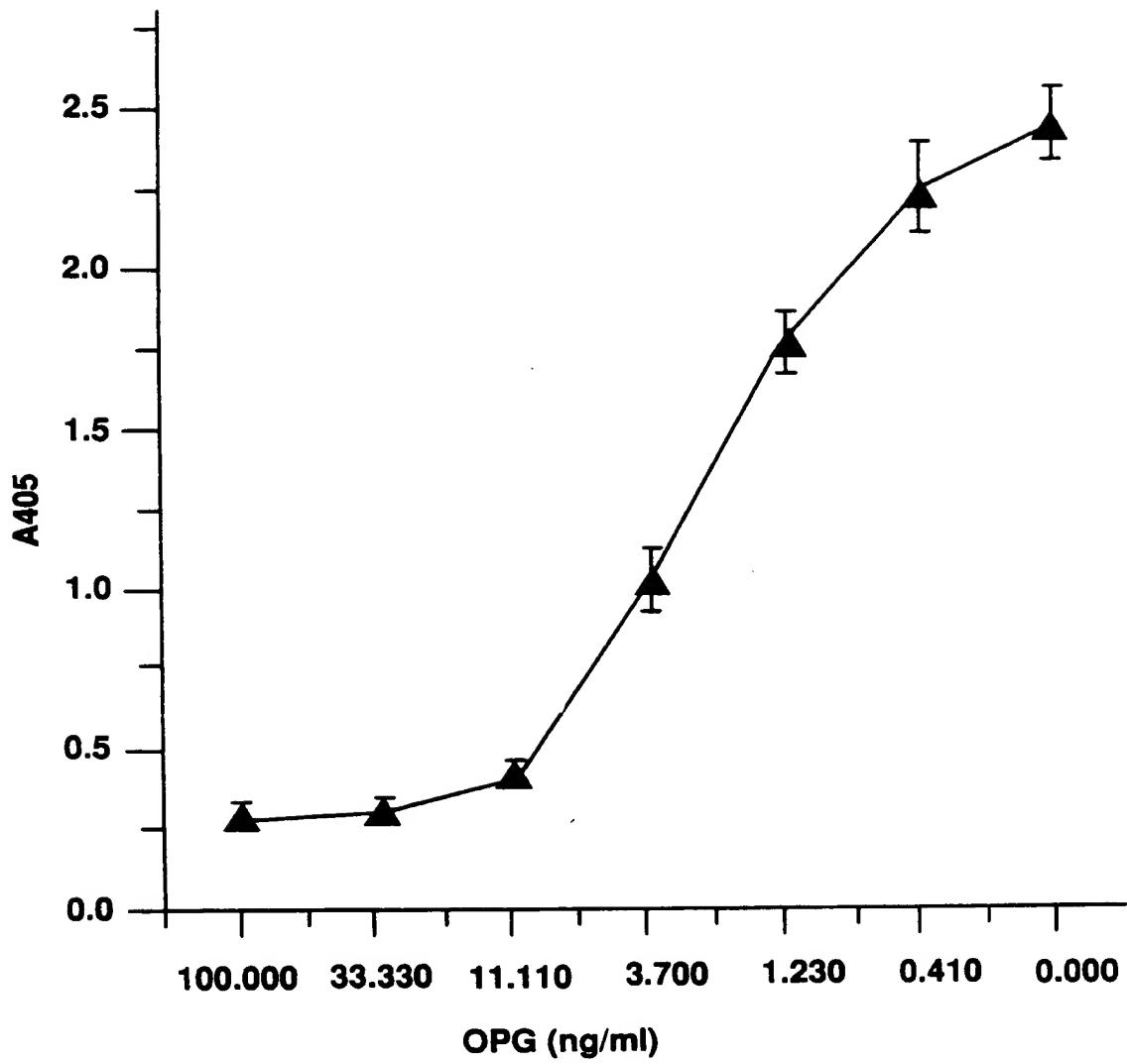
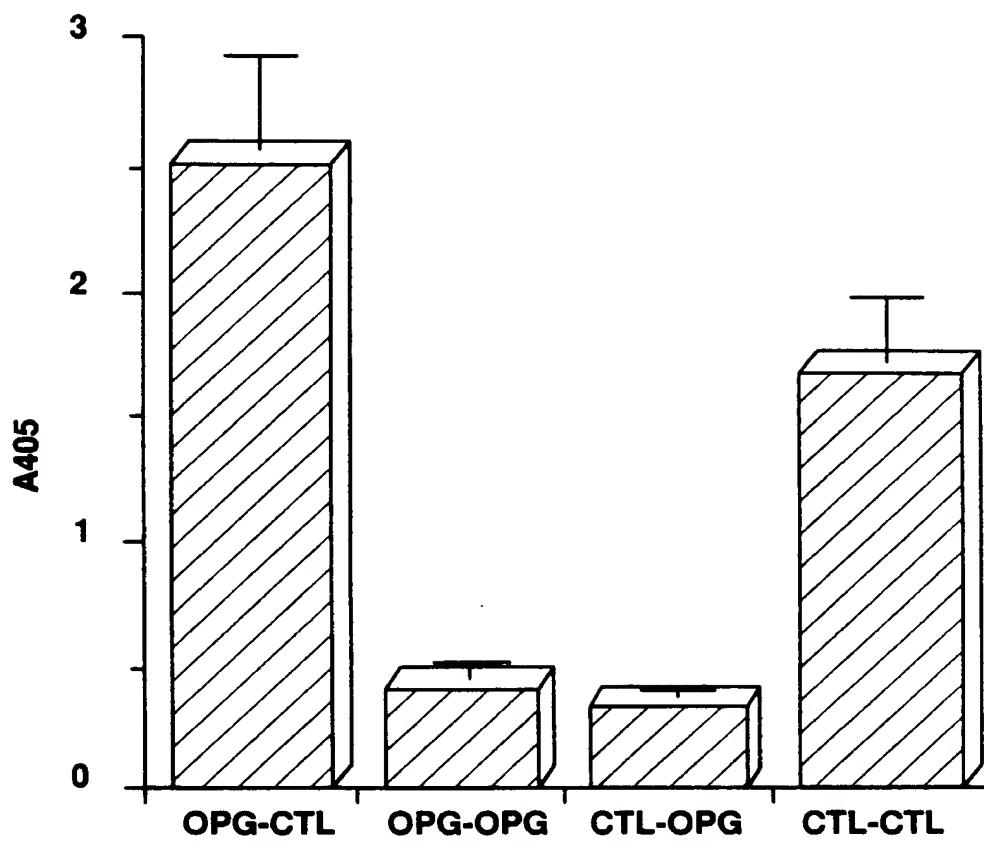


FIG.21



Legend

Growth Bone marrow cells CSF - 1	Intermediate PGE2 + CSF-1	Terminal ST2 cells 1,25 (OH)₂ D₃ Dexamethasone
---	--	---

4 days

2 days

8 - 10 days

Groups

CTL - CTL	---
OPG - CTL	100 ng/ml
OPG - OPG	---
OPG - OPG	100 ng/ml

OPG

100 ng/ml
100 ng/ml

FIG. 22A

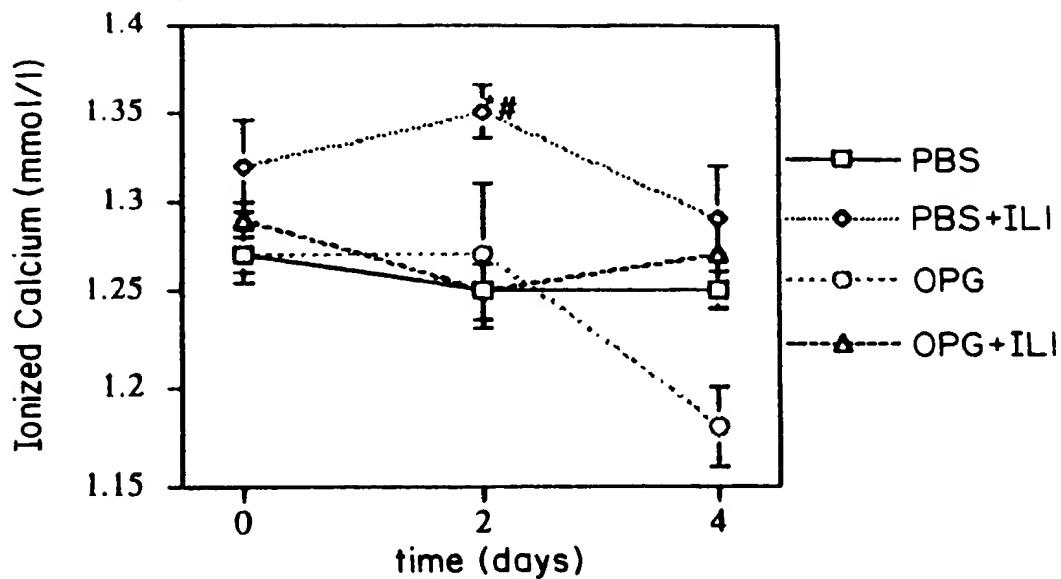
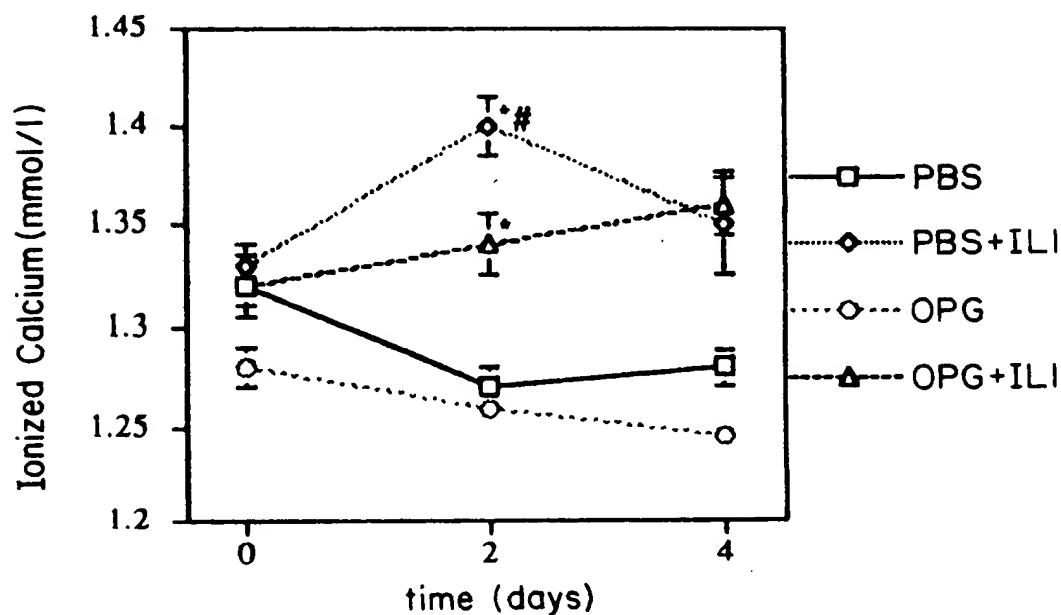


FIG. 22B



* Different to PBS, $p < 0.05$

Different to OPG + IL1, $p < 0.05$

FIG.23A

PBS/PBS



FIG.23B

IL1/PBS

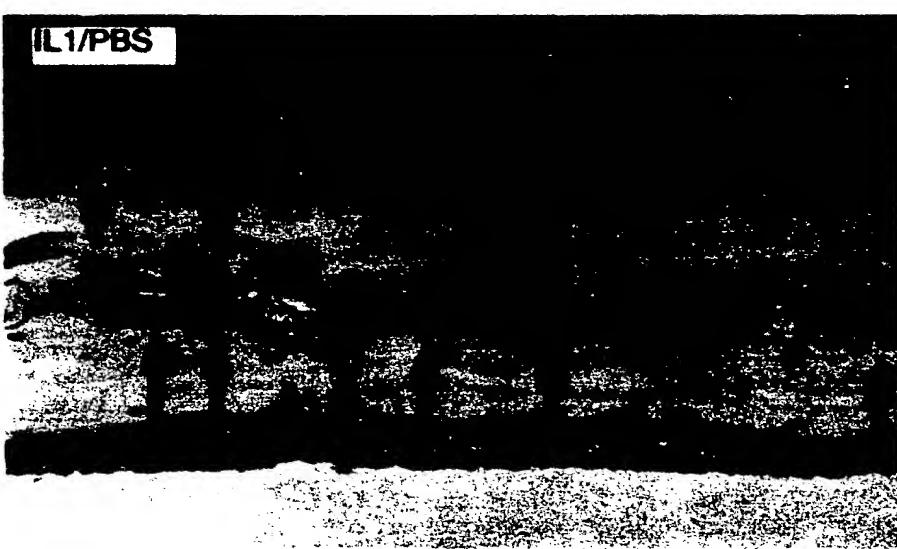


FIG.23C

PBS/OPG

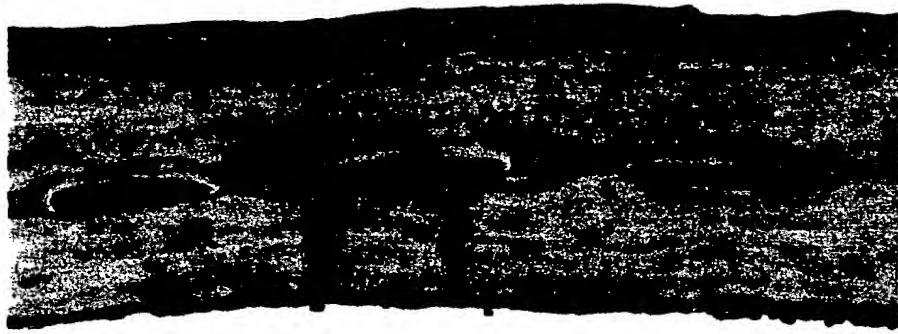
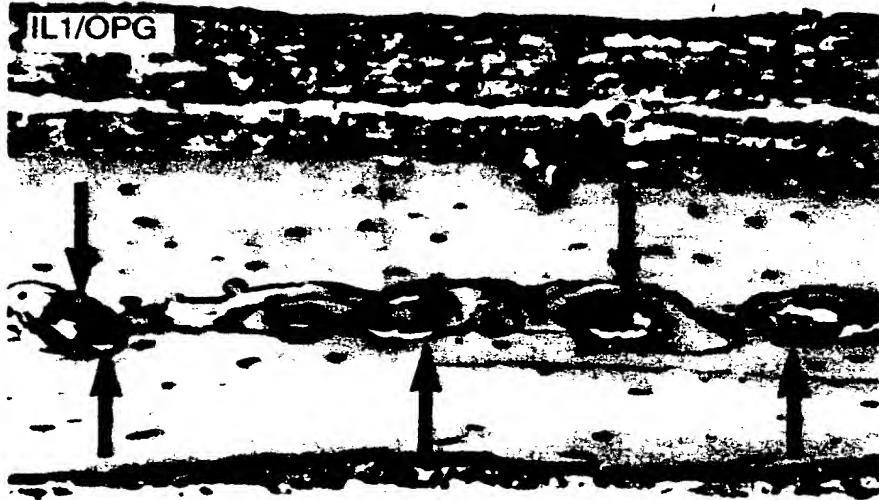


FIG.23D

IL1/OPG



09210725 in 11E2000

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FIG. 24A

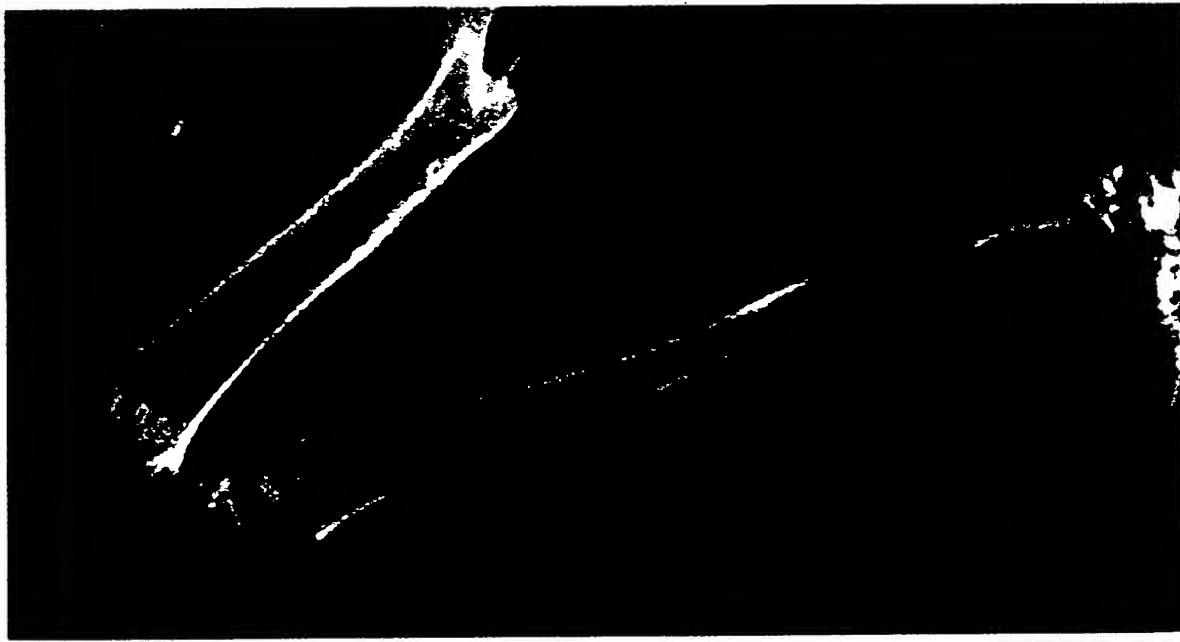


FIG. 24B



FIG. 25

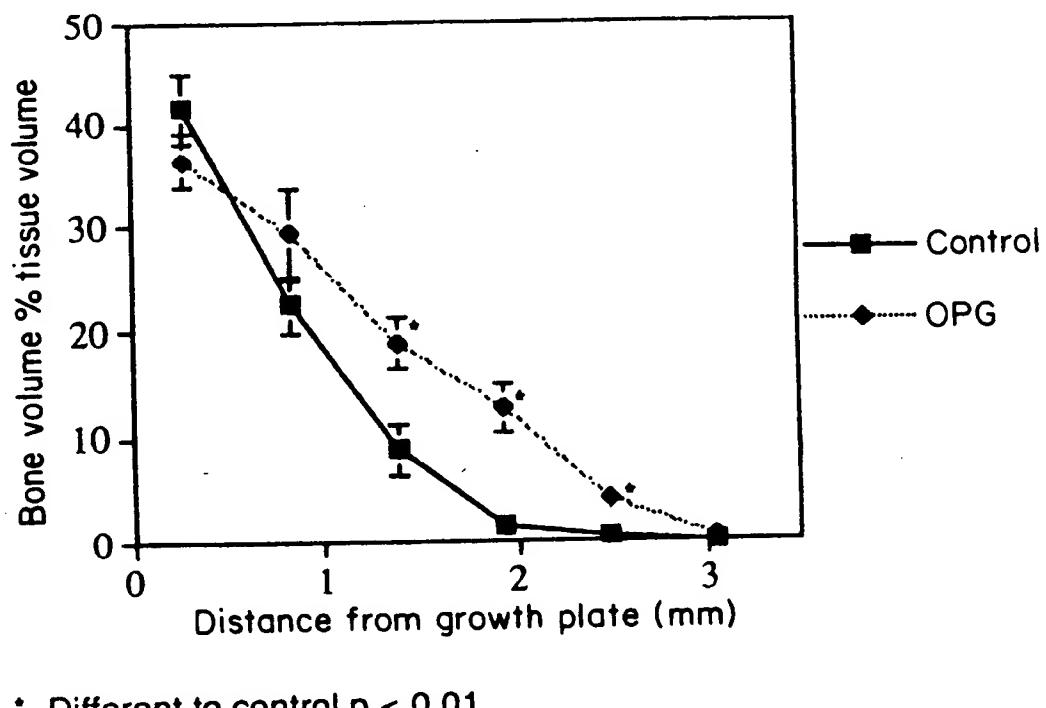


FIG. 26A

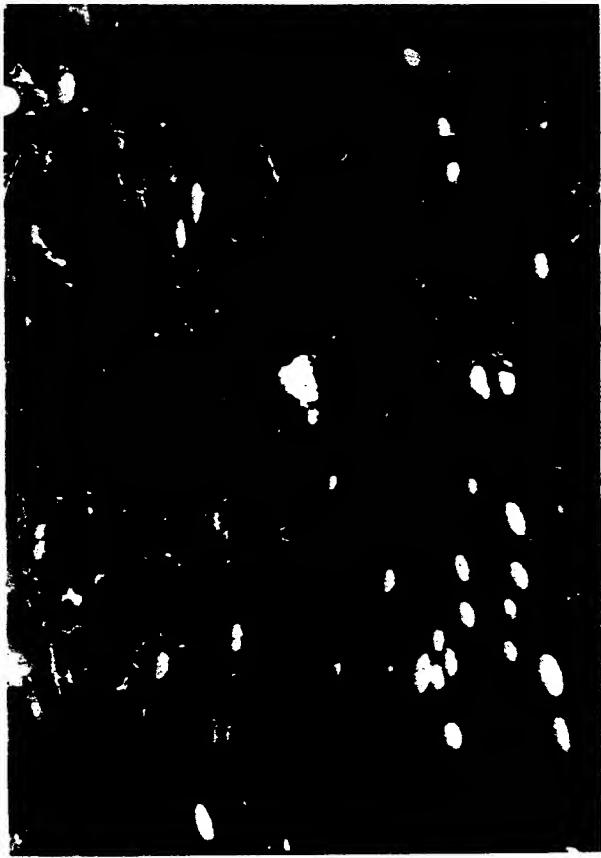


FIG. 26.B



FIG. 27

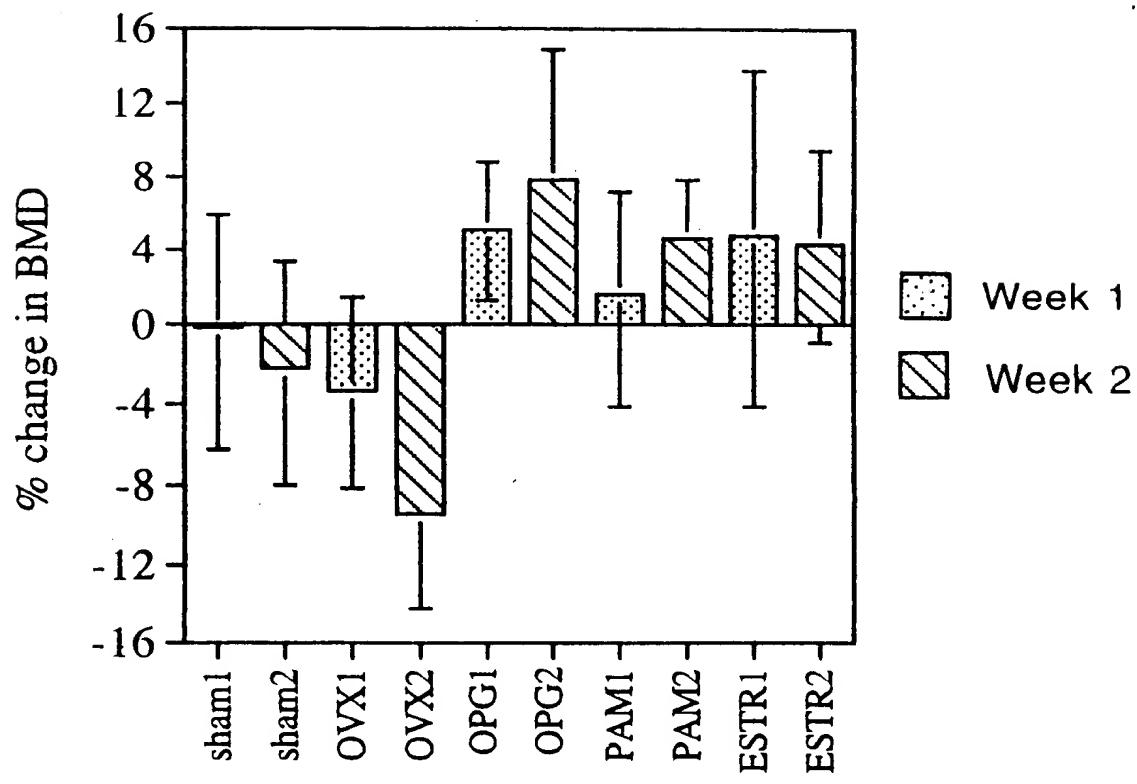
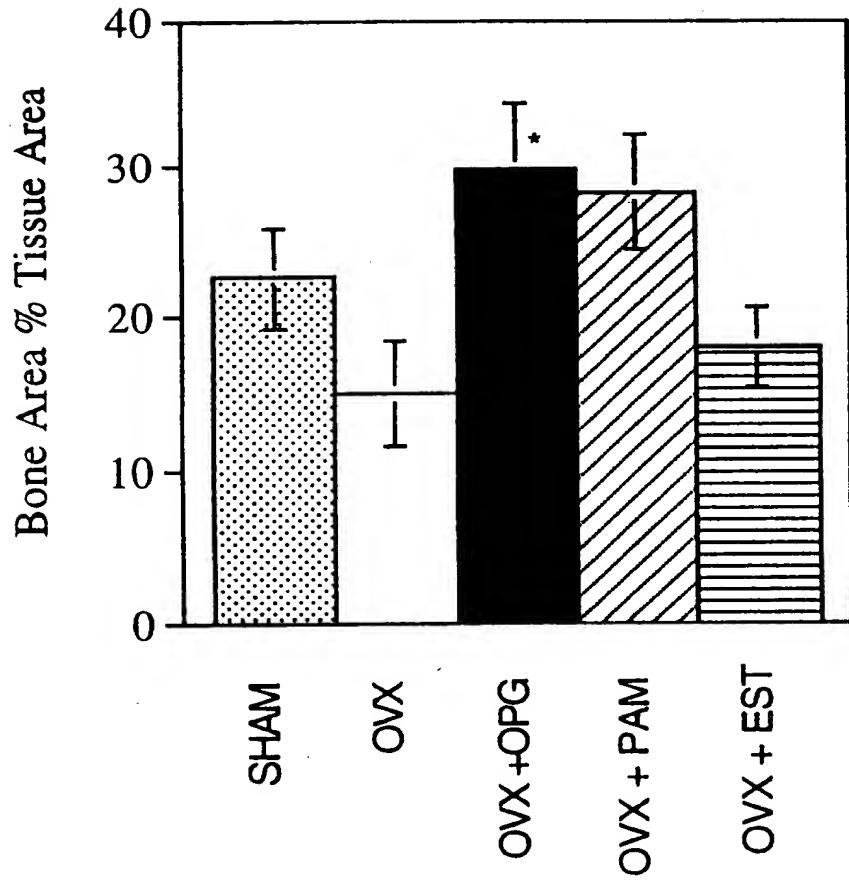


FIG.28



* Different to OVX $p < 0.05$